



3-16-06

TD \$

Docket No. 5640/C01/DISPLAY/AHRDWR/RKK

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Re: Inventor(s): Emanuel Beer and Kenneth E. Baumel
Title: APPARATUS AND METHOD FOR THERMALLY ISOLATING A HEAT CHAMBER
Serial No.: 10/736,196
Filed: December 15, 2003
Examiner: Karla A. Moore
Group Art Unit: 1734

Transmitted herewith is:

- ☒ PTO Form 1449;
☒ Information Disclosure Statement with thirty-nine cited references (copy of six references enclosed);
☒ Return Postcard.

FEE CALCULATION					
Fee Items	Claims Filed	Included With Basic Fee	Extra Claims	Fee Rate	Total
Total Claims	N/A	- 20 =	-0-	X \$50.00	\$0.00
Independent Claims	N/A	- 3 =	-0-	X \$200.00	\$0.00
Basic Filing Fee (\$300.00), Utility Search Fee (\$500.00), Utility Examination Fee (\$200.00)				\$1000.00	\$0.00
TOTAL FEES					PAID

- ☒ The Commissioner is hereby authorized to charge \$180.00 to Deposit Account No. 04-1696.
☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 04-1696. A duplicate copy of this transmittal is enclosed.

☒ Please address all future correspondence to: **Customer # 41161
Dugan & Dugan, PC
55 South Broadway
Tarrytown, NY 10591**

I hereby certify that this correspondence is being deposited with the United States Postal Service as express mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Express Mail Receipt No. EV854243308US

Date of Deposit: 3/15/06

Signature: [Signature]

Respectfully submitted,

[Signature]
Brian M. Dugan
Registration No. 41,720
(914) 332-9081

Express Mail Label No. EV854243308US

PATENTS
5640/C01/DISPLAY/AHRDWR/RKK



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Emanuel Beer and Kenneth E. Baumel
Serial No. : 10/736,196
Filed : December 15, 2003
For : APPARATUS AND METHOD FOR THERMALLY ISOLATING
A HEAT CHAMBER
Group Art Unit : 1734
Customer No. : 41161

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. §§ 1.56 and 1.97,
applicants wish to call the attention of the Examiner to the
following references:

U.S. Patent No. 2,831,951, G.B. Desloge
U.S. Patent No. 3,759,662, Bengel et al.
U.S. Patent No. 3,978,815, Carrara
U.S. Patent No. 4,015,558, Small et al.
U.S. Patent No. 4,376,672, Wang et al.
U.S. Patent No. 4,427,378, Bowers

03/17/2006 JBALINAN 00000051 041696 10736196
01 FC:1806 180.00 DA

U.S. Patent No. 4,497,364, Cheadle et al.
U.S. Patent No. 4,531,047, Canfield et al.
U.S. Patent No. 4,531,074, Nagy et al.
U.S. Patent No. 4,586,898, Orbeck
U.S. Patent No. 5,017,131, Sato et al.
U.S. Patent No. 5,108,792, Anderson et al.
U.S. Patent No. 5,121,705, Sugino
U.S. Patent No. 5,172,849, Barten et al.
U.S. Patent No. 5,215,315, Belter
U.S. Patent No. 5,256,061, Cress
U.S. Patent No. 5,294,572, Granneman et al.
U.S. Patent No. 5,441,768, Law et al.
U.S. Patent No. 5,512,320, Turner et al.
U.S. Patent No. 5,601,686, Kawamura et al.
U.S. Patent No. 5,607,009, Turner et al.
U.S. Patent No. 5,614,055, Fairbairn et al.
U.S. Patent No. 5,769,952, Komino
U.S. Patent No. 5,861,107, Buysch et al.
U.S. Patent No. 5,865,896, Nowak et al.
U.S. Patent No. 5,928,732, Law et al.
U.S. Patent No. 5,950,328, Ichiko et al.
U.S. Patent No. 5,980,991, Sakamoto et al.
U.S. Patent No. 6,000,227, Kroeker
U.S. Patent No. 6,037,574, Lanham et al.

U.S. Patent No. 6,054,688, Moschini

U.S. Patent No. 6,261,091, Sakamoto et al.

U.S. Patent No. 6,284,006, Siefert et al.

Foreign Art Reference No. JP 61161710 A (Japan)

Foreign Art Reference No. JP 01082453 A (Japan)

Sybil P. Parker, Chief Editor, "McGraw-Hill

Encyclopedia of Physics", Second Edition, McGraw-Hill, Inc., pg
205-212, 1993.

WATLOW, "Heated Parts (Cast-in and IFC)",

www.watlow.com, Printed 3/29/01.

WATLOW, "Functional Components Custom Design For Your

Application", www.watlow.com, Watlow Electric Manufacturing
Company, 1998.

Ivan Noels, "Thermal Conductivity of the Elements",

http://le-village.iframe.com/okapi/thermal_conductivity.htm,
Printed 3/30/01.

Please charge deposit account No. 04-1696 in the
amount of \$180.00 for consideration of this information
disclosure statement under 37 C.F.R. § 1.97(c)(2).

These references are also listed on the accompanying
Information Disclosure Statement (Form PTO-1449).

Consideration of the foregoing in relation to this
patent application is respectfully requested.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read 'Brian M. Dugan', with a long horizontal flourish extending to the right.

Brian M. Dugan, Esq.
Registration No. 41,720
Dugan & Dugan, PC
Attorneys for Applicants
(914) 332-9081

Dated: 3/15/06
Tarrytown, New York

U.S. Department of Commerce, Patent and Trademark Office <div style="border: 1px solid black; border-radius: 50%; padding: 10px; display: inline-block; text-align: center;"> OFFICE MAR 15 2006 PATENT & TRADEMARK OFFICE </div>				Docket No.: 5640/C01/DISPLAY/AHRDWR/RKK		Serial No.: 10/736,196	
RELEVANT ART CITED BY APPLICANT (Use several sheets if necessary)				Applicants: Emanuel Beer and Kenneth E. Baumel			
				Filing Date: December 15, 2003		Group: 1734	

U.S. Patent Documents							
*Examiner Initial	Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate	
	US-1	2,831,951	G.B. Desloge				
	US-2	3,759,662	Bengel et al.				
	US-3	3,978,815	Carrara				
	US-4	4,015,558	Small et al.				
	US-5	4,376,672	Wang et al.				
	US-6	4,427,378	Bowers				
	US-7	4,497,364	Cheadle et al.				
	US-8	4,531,047	Canfield et al.				
	US-9	4,531,074	Nagy et al.				
	US-10	4,586,898	Orbeck				
	US-11	5,017,131	Sato et al.				

Foreign Patent Documents							Translation	
	Document Number	Date	Country	Class	Subclass	Yes	No	
	F-1	JP 61161710 A	Japan			Abstract		
	F-2	JP 01082453 A	Japan			Abstract		
	F-3							
	F-4							
	F-5							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)	
OT-1	Sybil P. Parker, Chief Editor, "McGraw-Hill Encyclopedia of Physics", Second Edition, McGraw-Hill, Inc., pg 205-212, 1993.
OT-2	WATLOW, "Heated Parts (Cast-in and IFC)", www.watlow.com, Printed 3/29/01.
OT-3	WATLOW, "Functional Components Custom Design For Your Application", www.watlow.com, Watlow Electric Manufacturing Company, 1998.

Examiner	Date Considered
----------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

U.S. Department of Commerce, Patent and Trademark Office LIST OF RELEVANT ART CITED BY APPLICANT (Use several sheets if necessary)				Docket No.: 5640/C01/DISPLAY/AHRDWR/RKK		Serial No.: 10/736,196	
				Applicants: Emanuel Beer and Kenneth E. Baumel			
				Filing Date: December 15, 2003		Group: 1734	

U.S. Patent Documents							
*Examiner Initial	Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate	
	US-12	5,108,792	Anderson et al.				
	US-13	5,121,705	Sugino				
	US-14	5,172,849	Barten et al.				
	US-15	5,215,315	Belter				
	US-16	5,256,061	Cress				
	US-17	5,294,572	Granneman et al.				
	US-18	5,441,768	Law et al.				
	US-19	5,512,320	Turner et al.				
	US-20	5,601,686	Kawamura et al.				
	US-21	5,607,009	Turner et al.				
	US-22	5,614,055	Fairbairn et al.				

Foreign Patent Documents							Translation	
	Document Number	Date	Country	Class	Subclass	Yes	No	
	F-6							
	F-7							
	F-8							
	F-9							
	F-10							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)	
OT-4	Ivan Noels, "Thermal Conductivity of the Elements", http://le-village.iff.france.com/okapi/thermal_conductivity.htm , Printed 3/30/01.
OT-5	
OT-6	

Examiner	Date Considered
----------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

U.S. Department of Commerce, Patent and Trademark Office LIST OF RELEVANT ART CITED BY APPLICANT (Use several sheets if necessary)	Docket No.: 5640/C01/DISPLAY/AHRDWR/RKK	Serial No.: 10/736,196
	Applicants: Emanuel Beer and Kenneth E. Baumel	
	Filing Date: December 15, 2003	Group: 1734

U.S. Patent Documents							
*Examiner Initial		Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
	US-23	5,769,952	06/23/98	Komino			
	US-24	5,861,107	01/19/99	Buysch et al.			
	US-25	5,865,896	02/02/99	Nowak et al.			
	US-26	5,928,732	07/27/99	Law et al.			
	US-27	5,950,328	09/14/99	Ichiko et al.			
	US-28	5,980,991	11/09/99	Sakamoto et al.			
	US-29	6,000,227	12/14/99	Kroeker			
	US-30	6,037,574	03/14/00	Lanham et al.			
	US-31	6,054,688	04/25/00	Moschini			
	US-32	6,261,091	07/17/01	Sakamoto et al.			
	US-33	6,284,006	09/04/01	Siefering et al.			

Foreign Patent Documents							Translation	
		Document Number	Date	Country	Class	Subclass	Yes	No
	F-11							
	F-12							
	F-13							
	F-14							
	F-15							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
	OT-7	
	OT-8	
	OT-9	

Examiner	Date Considered
----------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.